

Product Line Card

Comprehensive portfolio of mixed-signal ICs for innovative applications

As a specialist for mixed-signal integrated circuits and system-on-chip solutions, iC-Haus has been designing and manufacturing application-specific standard products (ASSPs) and custom ASICs for 30 years now.

We supply industrial, medical, and automotive applications with innovative, reliable, and FMEA-approved integrated circuits and microsystems.



More information: www.ichaus.com

I/O Circuits	ensors, control panels, PLC	Package	0TR
iC-GF	IO-I ink Transceiver for IO-I ink Slaves	QFN24-4x4	,
iC-JRX	2x4 Bidirectional 24 V High-Side Driver with μC Interface	PLCC44	(
C-JX	4x4 Bidirectional 24 V High-Side Driver with Load Diagnosis and μC Interface	MQFP52	Ì
C-MD	48-Bit Quadrature Counter with BS422 Receiver and SPI and BiSS Interface	TSS0P20	
iC-VRV	2x4 24 V Low-Side Driver with I/O Function and μC Interface	PLCC44	(
Interface iCs	· BiSS®	Package	OTR
for position me	easurement, motor feedback and drive systems, safety relevant systems, multiple sensor systems		
C-MB3	BiSS Interface Master (1 channel/3 slaves)	TSS0P24	1, /
C-MB4	BiSS Interface Master (2 channel/8 slaves, RS422 transceiver, dual SPI)	TSSOP24, QFN28-5x5	Ι, Α
Power M	lanagement iCs		
Power Manag	ement iCs ensors, rotary and linear encoders	Package	OTR'
iC-DC	Programmable Dual 2.5/3.3/5 V Buck/Boost SMPS	QFN24-4x4	A, E
C-JJ	Power Management IC with Autarky Function	MQFP44	A(+
C-WD	Switched-Mode Dual 5 V Regulator for 8 V to 36 V	S08, S08-TP, (DFN10-4x4)	I, <i>F</i>
C-WDA	Switched-Mode Dual 3.3 V Regulator for 8 V to 36 V	DFN10-4x4	I, <i>I</i>
C-WDB	Switched-Mode 3.3 V (200 mA) and 5 V Regulators for 8 V to 36 V	DFN10-4x4	I, <i>I</i>
iC-WDC	Switched-Mode 3.3 V and 5 V (200 mA) Regulators for 8 V to 36 V $$	DFN10-4x4	I, A
Sensor i	Os		
Optical		Package	OTR'
	ic sensors, identification systems, scanners, spectroscopy, machine vision systems		
for photoelectr	ic sensors, identification systems, scanners, spectroscopy, machine vision systems 64x1 Linear Image Sensor with Bidir. Shift and Extendable Data I/O (12.8 mm, 127 dpi)	optoBGA LA3C	l(+)
for photoelecti		optoBGA LA3C optoLGA LF2C, optoBGA LF3C	
for photoelectr C-LA C-LF1401	64x1 Linear Image Sensor with Bidir. Shift and Extendable Data I/O (12.8 mm, 127 dpi)		A(+
for photoelectr C-LA C-LF1401 C-LFL1402	64x1 Linear Image Sensor with Bidir. Shift and Extendable Data I/O (12.8 mm, 127 dpi) 128x1 Linear Image Sensor with Electronic Shutter Function (8.1 mm, 400 dpi)	optoLGA LF2C, optoBGA LF3C	A(+
C-LA C-LF1401 C-LFL1402 C-LFM	64x1 Linear Image Sensor with Bidir. Shift and Extendable Data I/O (12.8 mm, 127 dpi) 128x1 Linear Image Sensor with Electronic Shutter Function (8.1 mm, 400 dpi) 256x1 Gap-Free Linear Image Sensor with Electronic Shutter Function (16.2 mm, 400 dpi)	optoLGA LF2C, optoBGA LF3C	A(+ A(+ A(+
C-LA C-LF1401 C-LFL1402 C-LFM C-LFS	64x1 Linear Image Sensor with Bidir. Shift and Extendable Data I/O (12.8 mm, 127 dpi) 128x1 Linear Image Sensor with Electronic Shutter Function (8.1 mm, 400 dpi) 256x1 Gap-Free Linear Image Sensor with Electronic Shutter Function (16.2 mm, 400 dpi) 64x1 Linear Image Sensor with Electronic Shutter Function (4 mm, 400 dpi)	optoLGA LF2C, optoBGA LF3C optoBGA LFL1C optoBGA LFM1C	A(+ A(+ A(+
C-LA C-LF1401 C-LFL1402 C-LFM C-LFS C-LO	64x1 Linear Image Sensor with Bidir. Shift and Extendable Data I/O (12.8 mm, 127 dpi) 128x1 Linear Image Sensor with Electronic Shutter Function (8.1 mm, 400 dpi) 256x1 Gap-Free Linear Image Sensor with Electronic Shutter Function (16.2 mm, 400 dpi) 64x1 Linear Image Sensor with Electronic Shutter Function (4 mm, 400 dpi) 32x1 Linear Image Sensor with Electronic Shutter Function (2 mm, 400 dpi)	optoLGA LF2C, optoBGA LF3C optoBGA LFL1C optoBGA LFM1C cDFN10-4x4	A(+ A(+ A(+
C-LA C-LF1401 C-LFL1402 C-LFM C-LFS C-LO C-LQNP	64x1 Linear Image Sensor with Bidir. Shift and Extendable Data I/O (12.8 mm, 127 dpi) 128x1 Linear Image Sensor with Electronic Shutter Function (8.1 mm, 400 dpi) 256x1 Gap-Free Linear Image Sensor with Electronic Shutter Function (16.2 mm, 400 dpi) 64x1 Linear Image Sensor with Electronic Shutter Function (4 mm, 400 dpi) 32x1 Linear Image Sensor with Electronic Shutter Function (2 mm, 400 dpi) Smart Triangulation Sensor IC	optoLGA LF2C, optoBGA LF3C optoBGA LFL1C optoBGA LFM1C cDFN10-4x4 oBGA LO1C	A(+ A(+ A(+ A(+ ()
C-LA C-LF1401 C-LFL1402 C-LFM C-LFS C-LO C-LQNP C-OC	64x1 Linear Image Sensor with Bidir. Shift and Extendable Data I/O (12.8 mm, 127 dpi) 128x1 Linear Image Sensor with Electronic Shutter Function (8.1 mm, 400 dpi) 256x1 Gap-Free Linear Image Sensor with Electronic Shutter Function (16.2 mm, 400 dpi) 64x1 Linear Image Sensor with Electronic Shutter Function (4 mm, 400 dpi) 32x1 Linear Image Sensor with Electronic Shutter Function (2 mm, 400 dpi) Smart Triangulation Sensor IC Pulse and AC Light Sensor with Complementary Outputs	optoLGA LF2C, optoBGA LF3C optoBGA LFL1C optoBGA LFM1C cDFN10-4x4 oBGA LO1C TO18-4 L/F, optoBGA LQ1C, cDFN	A(+ A(+ A(+ A(+ C + C +
for photoelectr C-LA C-LF1401 C-LFL1402 C-LFM C-LFS C-LO C-LQNP C-OC	64x1 Linear Image Sensor with Bidir. Shift and Extendable Data I/O (12.8 mm, 127 dpi) 128x1 Linear Image Sensor with Electronic Shutter Function (8.1 mm, 400 dpi) 256x1 Gap-Free Linear Image Sensor with Electronic Shutter Function (16.2 mm, 400 dpi) 64x1 Linear Image Sensor with Electronic Shutter Function (4 mm, 400 dpi) 32x1 Linear Image Sensor with Electronic Shutter Function (2 mm, 400 dpi) Smart Triangulation Sensor IC Pulse and AC Light Sensor with Complementary Outputs Dual Integrating Opto Sensor with Shift Register for Chain Connection	optoLGA LF2C, optoBGA LF3C optoBGA LFL1C optoBGA LFM1C cDFN10-4x4 oBGA LO1C TO18-4 L/F, optoBGA LQ1C, cDFN0 bare die, COB	A(+) A(+) A(+) C A 6 I, E C(+)
for photoelectric C-LA C-LF1401 C-LFL1402 C-LFM C-LFS C-LO C-LQNP C-OC C-OD	64x1 Linear Image Sensor with Bidir. Shift and Extendable Data I/O (12.8 mm, 127 dpi) 128x1 Linear Image Sensor with Electronic Shutter Function (8.1 mm, 400 dpi) 256x1 Gap-Free Linear Image Sensor with Electronic Shutter Function (16.2 mm, 400 dpi) 64x1 Linear Image Sensor with Electronic Shutter Function (4 mm, 400 dpi) 32x1 Linear Image Sensor with Electronic Shutter Function (2 mm, 400 dpi) Smart Triangulation Sensor IC Pulse and AC Light Sensor with Complementary Outputs Dual Integrating Opto Sensor with Shift Register for Chain Connection Optical Position-Sensitive Detector (2.6 mm PSD) with Ambient Light Suppression	optoLGA LF2C, optoBGA LF3C optoBGA LFL1C optoBGA LFM1C cDFN10-4x4 oBGA LO1C TO18-4 L/F, optoBGA LQ1C, cDFN1 bare die, COB optoLGA OD4C, cDFN10-4x4	A(+) A(+) A(+) A(+) C(+) A(+) A(+) A(+) A(+) A(+) A(+) A(+) A
C-LA C-LF1401 C-LF1402 C-LFM C-LFS C-LO C-LQNP C-OC C-OD C-ODL C-OR	64x1 Linear Image Sensor with Bidir. Shift and Extendable Data I/O (12.8 mm, 127 dpi) 128x1 Linear Image Sensor with Electronic Shutter Function (8.1 mm, 400 dpi) 256x1 Gap-Free Linear Image Sensor with Electronic Shutter Function (16.2 mm, 400 dpi) 64x1 Linear Image Sensor with Electronic Shutter Function (4 mm, 400 dpi) 32x1 Linear Image Sensor with Electronic Shutter Function (2 mm, 400 dpi) Smart Triangulation Sensor IC Pulse and AC Light Sensor with Complementary Outputs Dual Integrating Opto Sensor with Shift Register for Chain Connection Optical Position-Sensitive Detector (2.6 mm PSD) with Ambient Light Suppression Optical Position-Sensitive Detector (8.4 mm PSD) with Ambient Light Suppression	optoLGA LF2C, optoBGA LF3C optoBGA LFL1C optoBGA LFM1C cDFN10-4x4 oBGA LO1C TO18-4 L/F, optoBGA LQ1C, cDFN0 bare die, COB optoLGA OD4C, cDFN10-4x4 optoBGA ODL2C	A(+ A(+ A(+ A(+ A(+ C(+ I, E I, E
for photoelectric C-LA C-LF1401 C-LF1402 C-LFM C-LFS C-LO C-LQNP C-OC C-OD C-ODL C-OR C-VP	64x1 Linear Image Sensor with Bidir. Shift and Extendable Data I/O (12.8 mm, 127 dpi) 128x1 Linear Image Sensor with Electronic Shutter Function (8.1 mm, 400 dpi) 256x1 Gap-Free Linear Image Sensor with Electronic Shutter Function (16.2 mm, 400 dpi) 64x1 Linear Image Sensor with Electronic Shutter Function (4 mm, 400 dpi) 32x1 Linear Image Sensor with Electronic Shutter Function (2 mm, 400 dpi) Smart Triangulation Sensor IC Pulse and AC Light Sensor with Complementary Outputs Dual Integrating Opto Sensor with Shift Register for Chain Connection Optical Position-Sensitive Detector (2.6 mm PSD) with Ambient Light Suppression Optical Position-Sensitive Detector (8.4 mm PSD) with Ambient Light Suppression 5-Element Photodiode Array	optoLGA LF2C, optoBGA LF3C optoBGA LFL1C optoBGA LFM1C cDFN10-4x4 oBGA LO1C TO18-4 L/F, optoBGA LQ1C, cDFN1 bare die, COB optoLGA OD4C, cDFN10-4x4 optoBGA ODL2C bare die, COB	A(+ A(+ A(+ C A(+ C(+ I, E, E, I,
for photoelectric for photoelectric for photoelectric for photoelectric for photoelectric for photoelectric for linear positic	64x1 Linear Image Sensor with Bidir. Shift and Extendable Data I/O (12.8 mm, 127 dpi) 128x1 Linear Image Sensor with Electronic Shutter Function (8.1 mm, 400 dpi) 256x1 Gap-Free Linear Image Sensor with Electronic Shutter Function (16.2 mm, 400 dpi) 64x1 Linear Image Sensor with Electronic Shutter Function (4 mm, 400 dpi) 32x1 Linear Image Sensor with Electronic Shutter Function (2 mm, 400 dpi) Smart Triangulation Sensor IC Pulse and AC Light Sensor with Complementary Outputs Dual Integrating Opto Sensor with Shift Register for Chain Connection Optical Position-Sensitive Detector (2.6 mm PSD) with Ambient Light Suppression Optical Position-Sensitive Detector (8.4 mm PSD) with Ambient Light Suppression 5-Element Photodiode Array Photoswitch with Adjustable Sensitivity	optoLGA LF2C, optoBGA LF3C optoBGA LFL1C optoBGA LFM1C cDFN10-4x4 oBGA LO1C TO18-4 L/F, optoBGA LQ1C, cDFN1 bare die, COB optoLGA OD4C, cDFN10-4x4 optoBGA ODL2C bare die, COB TO18-4L, TO18-4F	A(+ A(+ A(+ C(+ A(+ C(+ A(+ C(+ A(+ C(+ A(+ A(+ A(+ A(+ A(+ A(+ A(+ A(+ A(+ A
for photoelectr iC-LA iC-LF1401 iC-LF11402 iC-LFM iC-LFS iC-LO iC-LQNP iC-OC iC-OD iC-ODL iC-OR iC-VP	64x1 Linear Image Sensor with Bidir. Shift and Extendable Data I/O (12.8 mm, 127 dpi) 128x1 Linear Image Sensor with Electronic Shutter Function (8.1 mm, 400 dpi) 256x1 Gap-Free Linear Image Sensor with Electronic Shutter Function (16.2 mm, 400 dpi) 64x1 Linear Image Sensor with Electronic Shutter Function (4 mm, 400 dpi) 32x1 Linear Image Sensor with Electronic Shutter Function (2 mm, 400 dpi) Smart Triangulation Sensor IC Pulse and AC Light Sensor with Complementary Outputs Dual Integrating Opto Sensor with Shift Register for Chain Connection Optical Position-Sensitive Detector (2.6 mm PSD) with Ambient Light Suppression Optical Position-Sensitive Detector (8.4 mm PSD) with Ambient Light Suppression 5-Element Photodiode Array Photoswitch with Adjustable Sensitivity	optoLGA LF2C, optoBGA LF3C optoBGA LFL1C optoBGA LFM1C cDFN10-4x4 oBGA LO1C TO18-4 L/F, optoBGA LQ1C, cDFN1 bare die, COB optoLGA OD4C, cDFN10-4x4 optoBGA ODL2C bare die, COB TO18-4L, TO18-4F Package	I(+), A(+), A(+), A(+), C(+), A(+), C(+), I, E(-), I, E(-

^{*} OTR: Operational Temperature Range C: 0 to $+70^{\circ}$ C, I: -20 to $+85^{\circ}$ C, A: -40 to $+85^{\circ}$ C, E: -40 to $+125^{\circ}$ C, M: -55 to 125° C, (+): extended

Linear Fu	nctions		
U	ns tioners, measurement amplifiers, receivers for 24 V control systems, test equipment, ation and modulators, demodulators, voltage-controlled amplifiers	Package	OTR*
iC-BM	Quad Four-Quadrant Analog Multiplier (MLT04 compatible)	S018W	А
iC-HC	Dual Ultrafast ATE Signal Comparator up to 36 V	TSSOP16	Е
іС-НО	General Purpose Sensor Interface	QFN32 5x5	l(+)
C-HQ, iC-HQL	Quad High-Performance Op Amp with Ultralow Offset (< 1 $\mu\text{V}, <$ 10 $\mu\text{V})$	TSS0P14	E
Safety Lig	ght Curtain iCs		
Transmitters for machine sat	eguarding systems (IEC 61496-1, ESPE), measuring light curtains	Package	OTR*
iC-NL	Light-Grid Pulse Driver with Modulation Input	SO8, MSOP8	C, I
iC-NT	Light-Grid Pulse Driver for Light Curtains, Light Barriers and Electro-Sensitive Protective Equipment	SO8, MSOP8	C, I
C-NX	8-Channel Light-Grid Pulse Driver	TSSOP16	C, I
iC-NXL	8-Channel Light-Grid Pulse Driver with Modulation Input	TSSOP16	C, I
Receivers	eguarding systems (IEC 61496-1, ESPE), measuring light curtains	Package	OTR*
		OFN10 4:-4	0
C-LK	Light-Grid Pulse Receiver with Integrated Photodiode	cQFN16-4x4	C
C-ME	2-Channel Light-Grid Pulse Receiver	DFN10-4x4	C, I
C-MK	2-Channel Light-Grid Pulse Receiver	DFN10-4x4	C, I
C-NE	Light-Grid Pulse Receiver for Light Curtains, Light Barriers and Electro-Sensitive Protective Equipment	SO8, MSOP8	С,
C-NK	Light-Grid Pulse Receiver	SO8, MSOP8	С,
Encoder	iCs · Silicon for Motion®		
Optical Encode	er iCs rol, drive systems, robotics, optical encoders (incremental, singleturn, multiturn)	Package	OTR*
C-LG, iC-LGC	21-Bit Optical Position Encoder with Serial/Parallel and Sin/Cos Output	BLCC LG5C, oBGA LG21C, COB	I, E
C-LNB	18-Bit Optical Position Encoder with SPI, Serial/Parallel and FlexCount® Output	optoBGA LNB2C, optoQFN38-7x5	A(+)
C-LNG	16-Bit Optical Position Encoder with SPI and Serial/Parallel Output	optoBGA LNB2C, optoQFN38-7x5	A(+)
C-LSB	8-Channel Active Photosensor Array	optoBGA LS2C	l(+
C-LSC	12-Channel Active Photosensor Array	optoBGA LS2C, optoQFN32-5x5	l(+
C-LSHB	Incremental Photosensor Array	optoBGA LSH2C, optoQFN32-5x5	l(+
C-LSHC	3-Channel Sin/Cos Photosensor Array	optoBGA LSH2C, optoQFN32-5x5	1(+
C-LTA	6-Channel Incremental Opto Encoder	optoBGA LSH2C, optoQFN32-5x5	A(+
C-LV	5-Bit Optical Encoder with Cascadable Serial Interface (SSI)	BLCC LV4C, COB	I, E
C-OF	3-Bit Optical Encoder	BLCC OF3C, optoBGA OF4C	I, E
C-OG	8-Bit Differential Scanning Optical Encoder with LED Control	BLCC OGC	I, E
C-OV	5-Bit Optical Encoder	BLCC OVC	1(+
C-OW	Incremental Optical Encoder with A/B-Gated Index and LED Control	optoBGA OW1C	l(+
O DD0040		t. DOA OHOOt. OFNOO F	

optoBGA LSH2C, optoQFN32-5x5 A(+)

iC-PD3948

5-Channel Phased Array Sine Encoder (Ø39 mm, 2048 PPR)

iC-PNxx	Phased Array Nonius Encoder IC Series (Ø26 mm, 33 mm, 39 mm)	optoBGA LSH2C, optoQFN32-5x5	A(+)
iC-PNHxx	Phased Array Nonius Encoder IC Series (Ø33 mm)	optoQFN32-5x5	A(+)
iC-PT26xx	6-Ch. Phased Array Opto Encoder IC Series (Ø26 mm: 256 to 1500 PPR)	optoQFN32-5x5	A(+)
iC-PT33xx	6-Ch. Phased Array Opto Encoder IC Series (Ø33 mm: 360 to 2500 PPR)	optoQFN32-5x5	A(+)
iC-WG	14-Bit Differential Scanning Optical Encoder iC	BLCC WGC	l(+)

Magnetic Encode for linear and an	der iCs Igular encoders, position measurement systems, robotics, motion and vehicle control	Package	OTR*
iC-MA	8-Bit Angular Hall Encoder iC, Cascadable	DFN10-4x4	Е
iC-MH, iC-MH8	12-Bit Angular Hall Encoder iC with Commutation, Incremental, Serial, and Analog Outputs	QFN28-5x5	Е
iC-MHA	Angular Hall Encoder with Sin/Cos Outputs	QFN28-5x5	Е
iC-MHL200	12-Bit Linear/Rotary Position Hall Encoder	TSS0P20	Е
iC-MHM	14-Bit Absolute Angle Hall Encoder	QFN28-5x5	Е
iC-ML	8-Bit Linear Position Hall Encoder, Cascadable	TSS0P20	Е
iC-MP	8-Bit Hall Encoder iC with Ratiometric Output	DFN10-4x4	Е
iC-MU	Magnetic Off-Axis Absolute Position Encoder	DFN16-5x5	A(+)
iC-MV	8-Bit Hall Encoder with Cascadable Serial Interface	QFN16-3x3	Е
iC-PV	Battery-Buffered Hall Multiturn Encoder	QFN16-3x3	Е
iC-TW11	10-Bit Ultra Low Power Magnetic Absolute Rotary Encoder	QFN16-4x4	Е

Interpolators for angle sensors, i	rotary encoders, linear scales, digital gauges, PLC/IPC interface boards, servo controls	Package	OTR*
,	B-Bit Sin/Cos Interpolation iC with RS422 Line Driver	TSS0P20	I(+), E
iC-MN	3-Channel, Simultaneous Sampling 13-Bit Sin/Cos Interpolation IC with Nonius Calculation	QFN48-7x7	A(+)
iC-MQ	Programmable 9-Bit Sin/Cos Interpolation IC with Fail-Safe RS422 Line Driver	TSS0P20	I(+), E
iC-MQF	Programmable 12-Bit Sin/Cos Interpolation IC with Fail-Safe RS422 Line Driver	TSS0P20	A(+)
iC-MR	13-Bit Sample-and-Hold Sin/Cos Interpolator with Controller Interfaces	QFN48-7x7	A(+)
iC-NG	8-Bit Sine-to-Digital Converter Processor with Waveform Adaptation	S028, SS0P28	I, E
iC-NQI	13-Bit Signal Conditioning Interpolator with 2-Wire Interface	TSS0P20	I, E
iC-NQC	13-Bit Signal Conditioning Interpolator with BiSS C Interface	TSS0P20	I, E
iC-NV, iC-NVH	6-Bit Sin/Cos Flash Converter with Pin-Selectable Interpolation to x16 (H: half-cycle index)	TSS0P20	I, E
iC-TW2	Programmable 8-Bit Sin/Cos Interpolation IC with EEPROM	QFN24-4x4	Е
iC-TW4	8-Bit Sin/Cos Interpolator with Automatic Offset Correction	QFN24-4x4	Е
iC-TW8	16-Bit Sin/Cos Interpolator with Automatic Calibration	QFN48-7x7	Е

· ·	ning and Monitoring ers, incremental encoders, optical position sensors, magnetic position sensors	Package	OTR*
iC-MSA	Sin/Cos Sensor Signal Conditioner with AGC and 1 Vpp Line Driver	TSSOP20-TP	A(+)
iC-MSB SAFETY	Sin/Cos Sensor Signal Conditioner with Fail-Safe 1 Vpp Line Driver	TSSOP20, TSSOP20-TP	I(+), A(+)
iC-MSB2	Sin/Cos Sensor Signal Conditioner/Multiplexer with Fail-Safe 1 Vpp Line Driver	TSSOP20	I(+)
iC-RC1000	Sin/Cos Signal Safety Monitor IC	MSOP10-3x3	A(+)
iC-TW3	Automatic Signal Conditioner w. LUT Temp. Comp. and 1 Vpp (100 Ohm) / 2 Vpp Outputs	QFN32-5x5	Е
iC-WT	3-Channel Photodiode Amplifier-Comparator with LED Controller	S016N	l(+)

Laser Diode and		Package	OTF
	sors, barcode scanners, laser leveling, laser printers, copiers, laser pointers		
C-HB	Triple 155 MHz Laser Switch with LVDS Inputs	QFN24-4x4	
C-HG	200 MHz Laser Switch for up to 9 A (pulsed)	QFN28-5x5	
C-HK, iC-HKB	155 MHz Dual Channel Spike-Free Laser Switch	SO8N-TP, MSOP8-TP	
C-HL	Non-Volatile Laser Bias Potentiometer for Laser APCs	DFN10-4x4	
C-HT	Dual CW Laser Diode Driver with SPI/I2C Controller Interface	QFN28-5x5	
C-NZ	Fail-Safe Laser Diode Driver for CW and Pulse Operation up to 155 MHz	QFN28-5x5	
C-NZN, iC-NZP	N-Type / P-Type Laser Diode Driver with APC and ACC	QFN24-4x4	I (-
C-WJ, iC-WJZ	Laser Diode Driver for CW and Pulse Operation up to 300 kHz	SO8, MSOP8	
C-WJB	Laser Diode Driver for Battery Supplies of 2.7 V to 6 V	SO8, MSOP8	
C-WK, iC-WKL	Universal Laser Saver® for CW Operation from 2.4 V up	SO8, MSOP8	
C-WKM	M-Type CW Laser Diode Driver, Optimized for (Blue) M-Type Laser Diodes	S08N-TP, DFN10-4x4	
C-WKN	N-Type CW Laser Diode Driver, Optimized for N-Type Laser Diodes	SO8N-TP, DFN10-4x4	
C-WKP	P-Type CW Laser Diode Driver, Optimized for P-Type Laser Diodes	SO8N-TP, DFN10-4x4	
Driver iCs			
Relay/Solenoid		Package	OTF
	tic valves, photovoltaic modules		
C-DY6818	32-Bit Serial Input Latched Push/Pull Driver	PLCC44	
C-GE	PWM Relay/Solenoid Driver for a Wide Operating Voltage Range (1 A)	QFN16-4x4	
C-GE100	PWM Relay/Solenoid Driver (100 mA)	DFN8-3x3	
iC-JE	Power-Saving PWM Relay/Solenoid Driver	S08	
24 V and 5 V Lin	e Drivers ation, industrial controls, position sensors	Package	OTF
C-DL	3-Channel Differential Line Driver with Integrated Impedance Adaptation	QFN28-5x5	I,
C-HD2, iC-HDH2	Quad Differential Line Driver, Pin-Compatible with xx2068	TSSOP20, TSSOP20-TP	l,
C-HD7	Quad Differential Line Driver, Pin-Compatible with xx7272 and 26xx31	S016N	l,
C-HE	Triple Differential Line Driver	S014N	I,
C-HF	6-Channel Encoder Link, RS422 Driver/Receiver	QFN32-5x5	
C-HX	3-Channel Differential Line Driver with Reduced Power Dissipation	QFN28-5x5	I,
C-VX	3-Channel Differential Line Driver with Complementary 24 V Outputs	S016W, TSS0P20	l (-
C-WE	3-Channel 75 Ohm Line Driver for RS422 and 24 V Applications	S016W, S020W, TSS0P20-TP	I,
Output Stages		Package	011
	sors, light barriers, relays, microcontroller applications	Package	011
for proximity sen	sors, light barriers, relays, microcontroller applications 200 mA Low-Side Switch for 4 V to 36 V with Input/Output Decoupling	Package S0T23-6L, SC59-3L	OTF
for proximity sens			011
for proximity sens C-DN C-DP	200 mA Low-Side Switch for 4 V to 36 V with Input/Output Decoupling	S0T23-6L, SC59-3L	
for proximity sens C-DN C-DP C-DX, iC-DX3	200 mA Low-Side Switch for 4 V to 36 V with Input/Output Decoupling 200 mA High-Side Switch and Level Shift for 4 V to 36 V with Input/Output Decoupling	S0T23-6L, SC59-3L S0T23-6L, SC59-3L	E(-
for proximity send C-DN C-DP C-DX, iC-DX3 C-DXC, iC-DXC3	200 mA Low-Side Switch for 4 V to 36 V with Input/Output Decoupling 200 mA High-Side Switch and Level Shift for 4 V to 36 V with Input/Output Decoupling Digital Sensor Output Driver (150 mA)	S0T23-6L, SC59-3L S0T23-6L, SC59-3L DFN6-2x2	E(- E(-
Output Stages for proximity send iC-DN iC-DP iC-DX, iC-DX3 iC-DXC, iC-DXC3 iC-MFL, iC-MFLT iC-MFN	200 mA Low-Side Switch for 4 V to 36 V with Input/Output Decoupling 200 mA High-Side Switch and Level Shift for 4 V to 36 V with Input/Output Decoupling Digital Sensor Output Driver (150 mA) Digital Sensor Output Driver (200 mA) with IO-Link Feedback Channel	S0T23-6L, SC59-3L S0T23-6L, SC59-3L DFN6-2x2 DFN8-3x3	E(
for proximity sense. C-DN C-DP C-DX, iC-DX3 C-DXC, iC-DXC3 C-MFL, iC-MFLT	200 mA Low-Side Switch for 4 V to 36 V with Input/Output Decoupling 200 mA High-Side Switch and Level Shift for 4 V to 36 V with Input/Output Decoupling Digital Sensor Output Driver (150 mA) Digital Sensor Output Driver (200 mA) with IO-Link Feedback Channel 8-Fold / 12-Fold Fail-Safe Logic N-FET Driver	S0T23-6L, SC59-3L S0T23-6L, SC59-3L DFN6-2x2 DFN8-3x3 QFN24-4x4 / QFN28-5x5	E



iC-Haus GmbH

phone +49 6135 92920 Am Kuemmerling 18 fax +49 6135 9292192 55294 Bodenheim sales@ichaus.com

about our products refer to www.ichaus.com

LEDs			
LEDs for optical enco	oders	Package	OTR*
iC-TL46	Blue 460 nm LED with Lens for High-Resolution Optical Encoders	T046-2L1, BLCC SD1C	A(+)
iC-TL85	Infrared 850 nm LED with Lens or Flat Window for High-Resolution Optical Encoders	T046-2L1, T046-2F1	Е
iC-SD85	Infrared 850 nm LED with Lens or Flat Glass for High-Resolution Optical Encoders	BLCC SD1C, oLGA SD2C, BLCC	SD3C E
iC-SG85	Infrared 850 nm LED with Plastic Lens for High-Quality Large Area Illumination in High-Resolution Optical Encoders	BLCC SG1C, BLCC SG4C	Е
iC-SN85	Infrared 850 nm LED with Plastic Lens for High-Quality Large Area Illumination	BLCC SN1C, BLCC SN2C	E

Tools

Tools

for evaluation, development, manufacturing

iC149 Programmable ns-Pulse Generator

iC212 High-Speed Photoreceiver with Si-PIN Photodiode iC213 Programmable Oscillator Module (40 kHz to 1.4 GHz)

iC227 Dual 11 GHz Sampling Oscilloscope МВЗА BiSS (SSI)-to-PC Adapter (LPT) MB3U BiSS (SSI)-to-PC Adapter (USB)

MB3U-I2C BiSS (SSI) and I2C-to-PC Adapter (USB)

MB4U High-Performance BiSS (SSI)-to-PC USB Adapter

Sine Encoder Signal Acquisition with Graphical Analysis SinCosYzer®

Let iC-Haus act as your ASIC design and production partner...

For more details on how iC-Haus can help you realize the full potential of your projects - on time, on budget, and with every assurance of maximum quality, reliability, and performance - feel free to contact us by phone under +49 6135 92920. You can also send us an Email request to asic@ichaus.de or visit us online on www.ichaus.com.

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